

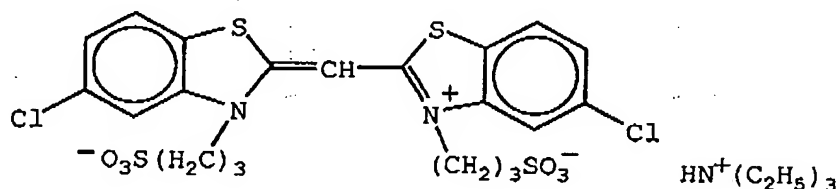
WHAT IS CLAIMED IS:

1. A silver halide photographic light-sensitive material comprising a silver halide photographic emulsion containing a silver halide grain, wherein the silver halide photographic emulsion includes a dye chromophore adsorbed in multiple layers on the surface of the silver halide grain, and at least one of compounds containing the dye chromophore is Dye X satisfying Condition 1 represented by the following formula (1):

$$\{ \text{Agg}(\text{Dye X}) / \text{Agg}(\text{Dye 1}) \} \geq 1.1$$

wherein Agg(Dye 1) represents an aggregation property of the following Dye 1 and Agg(Dye X) represents an aggregation property of Dye X:

Dye 1:



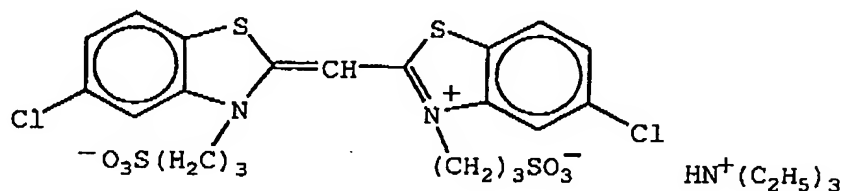
2. A silver halide photographic light-sensitive material comprising a silver halide photographic emulsion containing a silver halide grain, wherein the silver halide photographic emulsion includes a dye chromophore adsorbed in multiple layers on the surface of the silver halide grain, and at least one of compounds containing the dye

chromophore is Dye X satisfying Condition 2 represented by the following formula (2):

$$\{\log P(\text{Dye X})/\log P(\text{Dye 1})\} \geq 1.1$$

wherein $\log P(\text{Dye 1})$ represents a hydrophilicity/hydrophobicity of the following Dye 1 and $\log P(\text{Dye X})$ represents a hydrophilicity/hydrophobicity of Dye X:

Dye 1:

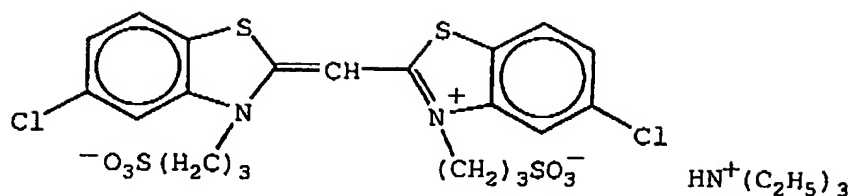


3. A silver halide photographic light-sensitive material comprising a silver halide photographic emulsion containing a silver halide grain, wherein the silver halide photographic emulsion includes a dye chromophore adsorbed in multiple layers on the surface of the silver halide grain, and at least one of compounds containing the dye chromophore is Dye X satisfying Condition 3 represented by the following formula (3):

$$\{J\text{-Agg}(\text{Dye X})/J\text{-Agg}(\text{Dye 1})\} \geq 1.1$$

wherein $J\text{-Agg}(\text{Dye 1})$ represents a J-aggregation property of the following Dye 1 and $J\text{-Agg}(\text{Dye X})$ represents a J-aggregation property of Dye X:

Dye 1:



4. A silver halide photographic light-sensitive material comprising a silver halide photographic emulsion containing a silver halide grain, wherein the silver halide photographic emulsion includes a dye chromophore adsorbed in multiple layers on the surface of the silver halide grain, and at least one of compounds containing the dye chromophore is Dye X satisfying all of Conditions 1 to 3 represented by the following formulas (1) to (3), respectively:

Condition 1:

Formula (1)

$$\{ \text{Agg}(\text{Dye } X) / \text{Agg}(\text{Dye } 1) \} \geq 1.1$$

wherein Agg(Dye 1) represents an aggregation property of the following Dye 1 and Agg(Dye X) represents an aggregation property of Dye X,

Condition 2:

Formula (2)

$$\{\log P(\text{Dye } X) / \log P(\text{Dye } 1)\} \geq 1.1$$

wherein $\log P(\text{Dye } 1)$ represents a hydrophilicity/hydro-

phobicity of the following Dye 1 and $\log P(\text{Dye X})$ represents a hydrophilicity/hydrophobicity of Dye X,

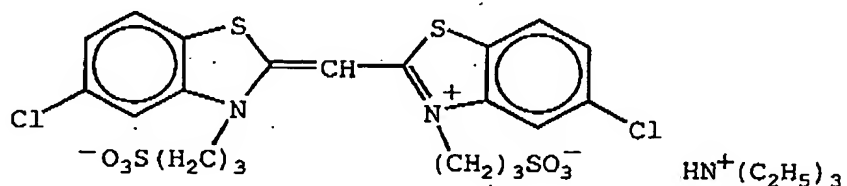
Condition 3:

Formula (3)

$$\{J\text{-Agg}(\text{Dye X})/J\text{-Agg}(\text{Dye 1})\} \geq 1.1$$

wherein $J\text{-Agg}(\text{Dye 1})$ represents a J -aggregation property of the following Dye 1 and $J\text{-Agg}(\text{Dye X})$ represents a J -aggregation property of Dye X:

Dye 1:



5. The silver halide photographic light-sensitive material as described in claim 1, wherein in the silver halide photographic emulsion, tabular silver halide grains having an aspect ratio of 2 or more occupy 50% (area) or more of all silver halide grains in the emulsion.

6. The silver halide photographic light-sensitive material as described in claim 2, wherein in the silver halide photographic emulsion, tabular silver halide grains having an aspect ratio of 2 or more occupy 50% (area) or more of all silver halide grains in the emulsion.

7. The silver halide photographic light-sensitive material as described in claim 3, wherein in the silver halide photographic emulsion, tabular silver halide grains having an aspect ratio of 2 or more occupy 50% (area) or more of all silver halide grains in the emulsion.

8. The silver halide photographic light-sensitive material as described in claim 4, wherein in the silver halide photographic emulsion, tabular silver halide grains having an aspect ratio of 2 or more occupy 50% (area) or more of all silver halide grains in the emulsion.

9. The silver halide photographic light-sensitive material as described in claim 1, wherein the silver halide photographic emulsion is subjected to a selenium sensitization.

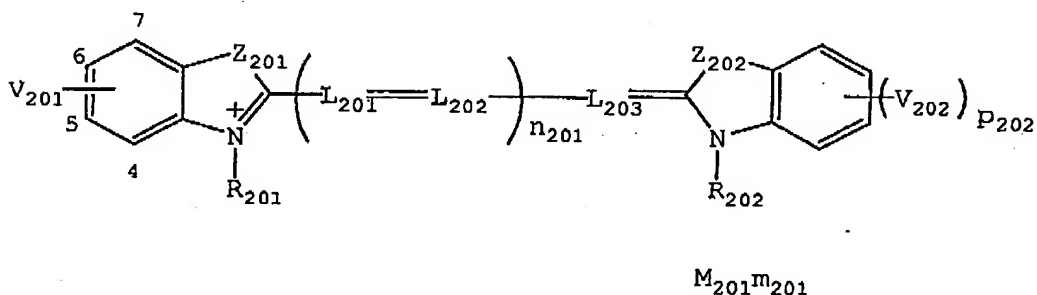
10. The silver halide photographic light-sensitive material as described in claim 2, wherein the silver halide photographic emulsion is subjected to a selenium sensitization.

11. The silver halide photographic light-sensitive material as described in claim 3, wherein the silver halide

photographic emulsion is subjected to a selenium sensitization.

12. The silver halide photographic light-sensitive material as described in claim 4, wherein the silver halide photographic emulsion is subjected to a selenium sensitization.

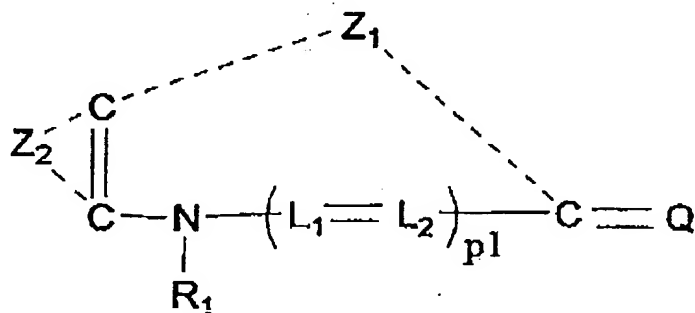
13. A silver halide photographic light-sensitive material comprising a silver halide photographic emulsion containing a silver halide grain, wherein the silver halide photographic emulsion includes a dye chromophore adsorbed in multiple layers on the surface of the silver halide grain, and at least one of compounds containing the dye chromophore is a dye represented by the following formula (E):



wherein Z_{201} and Z_{202} each represents an oxygen atom, a sulfur atom, a selenium atom or a nitrogen atom, V_{201} represents a 5-membered aromatic heterocyclic ring, V_{202} represents a substituent, p_{202} represents 0, 1, 2, 3 or 4,

R_{201} and R_{202} each represents an alkyl group, an aryl group or a heterocyclic group, L_{201} , L_{202} and L_{203} each represents a methine group, n_{201} represents 0 or 1, M_{201} represents an electric charge balancing counter ion, and m_{201} represents a number of 0 to more necessary for neutralizing the electric charge of the molecule.

14. A silver halide photographic light-sensitive material comprising a silver halide photographic emulsion containing a silver halide grain, wherein the silver halide photographic emulsion includes a dye chromophore adsorbed in multiple layers on the surface of the silver halide grain, and at least one of compounds containing the dye chromophore is a dye represented by the following formula (F):

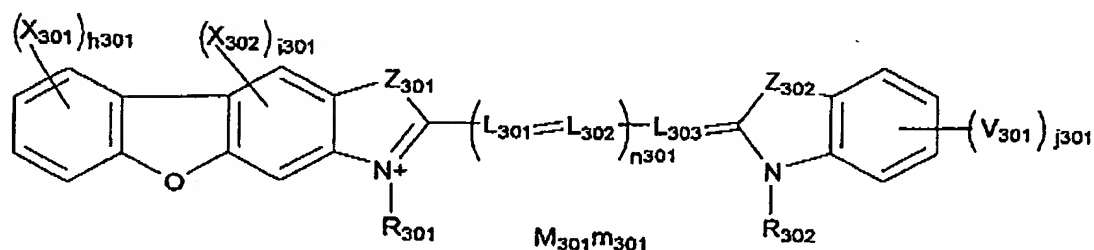


M1m1

wherein Z_1 represents an atomic group necessary for forming a nitrogen-containing 5- or 6-membered heterocyclic ring,

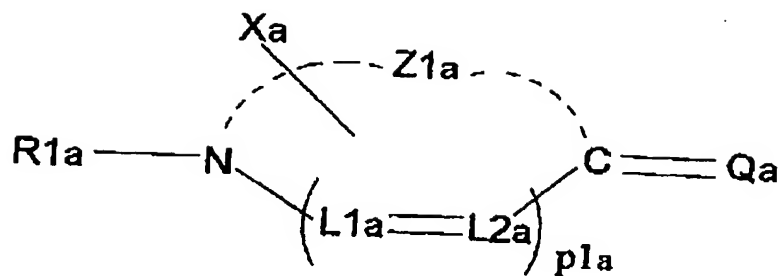
Z_2 represents an atomic group necessary for forming aromatic ring or aliphatic ring, and necessary for forming a 4 membered or more multi-cyclic condensed ring together with the nitrogen-containing 5- or 6-membered heterocyclic ring formed by Z_1 , Q represents a group necessary for forming a methine dye as the compound represented by the formula (F) forms a methine dye, R_1 represents an alkyl group, an aryl group or a heterocyclic group, each of which is substituted by one of an acidic group and a group having a positive electric charge, L_1 and L_2 each represents a methine group, p_1 represents 0 or 1, M_1 represents an electric charge balancing counter ion, and m_1 represents a number of 0 to more, necessary for neutralizing the electric charge of the molecule.

15. The silver halide photographic light-sensitive material as described in claim 14, the dye represented by the formula (F) is represented by the following formula (F1):



wherein Z_{301} and Z_{302} each represents an oxygen atom, a sulfur atom, a selenium atom or a nitrogen atom, X_{301} and X_{302} each represents a substituent of the dibenzofuran ring, V_{301} represents a substituent, R_{301} represents an alkyl group, an aryl group or a heterocyclic group, each of which is substituted by one of an acidic group and a group having a positive electric charge is substituted, L_{301} , L_{302} and L_{303} each represents a methine group, n_{301} represents 0 or 1, h_{301} represents 0, 1, 2, 3 or 4, i_{301} represents 0, 1 or 2, j_{301} represents 0, 1, 2, 3 or 4, M_{301} represents an electric charge balancing counter ion, and m_{301} represents a number of 0 to more, necessary for neutralizing the electric charge of the molecule.

16. A silver halide photographic light-sensitive material comprising a silver halide photographic emulsion containing a silver halide grain, wherein the silver halide photographic emulsion includes a dye chromophore adsorbed in multiple layers on the surface of the silver halide grain, and at least one of compounds containing the dye chromophore is a dye represented by the following formula (G):



Miamia

wherein Z1a represents an atomic group necessary for forming a nitrogen-containing 5- or 6-membered heterocyclic ring, which may be condensed with a ring, Xa represents a substituted or unsubstituted benzofuran ring, L1a and L2a each represents a methine group, pl_a represents 0 or 1, Qa represents a group necessary for forming a methine dye as the compound represented by the formula (G), R1a represents an alkyl group, an aryl group or a heterocyclic group, M1a represents an electric charge balancing counter ion, and m1a represents a number of 0 to more, necessary for neutralizing the electric charge of the molecule.